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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
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| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | X.25 communication option no longer available |

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:07:48 ON 20 SEP 2006

=> file caplus
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FILE 'CAPLUS' ENTERED AT 10:07:58 ON 20 SEP 2006
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FILE LAST UPDATED: 19 Sep 2006 (20060919/ED)

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=> s thioredoxin
5812 THIOREDOXIN
3679 THIOREDOXINS
L1 6388 THIOREDOXIN
(THIOREDOXIN OR THIOREDOXINS)

=> s cancer? or tumor? or neoplas?
306312 CANCER?
441863 TUMOR?
463561 NEOPLAS?
L2 732005 CANCER? OR TUMOR? OR NEOPLAS?

=> s l1 (1) l2
L3 589 L1 (L) L2

=> s l3 not py>1995
10304536 PY>1995
L4 49 L3 NOT PY>1995

=> s imidazolyl?
L5 10560 IMIDAZOLYL?

=> s 15 and 14
L6 1 L5 AND L4

=> d ibib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:523489 CAPLUS
DOCUMENT NUMBER: 123:47459
TITLE: The thioredoxin/thioredoxin reductase redox system and control of cell growth
AUTHOR(S): Powis, Garth; Oblong, John E.; Gasdaska, Pamela Y.; Berggren, Margareta; Hill, Simon R.; Kirkpatrick, D. Lynn
CORPORATE SOURCE: Arizona Cancer Center, Tucson, AZ, 85724, USA
SOURCE: Oncology Research (1994), 6(10-11), 539-44
CODEN: ONREE8; ISSN: 0965-0407
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d ibib kwic

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:523489 CAPLUS
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AUTHOR(S): Powis, Garth; Oblong, John E.; Gasdaska, Pamela Y.; Berggren, Margareta; Hill, Simon R.; Kirkpatrick, D. Lynn
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SOURCE: Oncology Research (1994), 6(10-11), 539-44
CODEN: ONREE8; ISSN: 0965-0407
PUBLISHER: Elsevier
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AB Thioredoxin is a redox protein that is important for a variety of intracellular functions, possibly including regulation of transcription factor activity. We have shown that human thioredoxin has the same predicted amino acid sequence as adult T-cell-derived leukemic cell growth factor. Recombinant human thioredoxin stimulates the proliferation of Swiss murine 3T3 fibroblasts with an EC₅₀ of 100 nM and the proliferation of a number of human cancer cells. Site-directed mutagenesis of the active-site cysteines of thioredoxin has shown that redox activity is necessary for the stimulation of cell proliferation. Added ¹²⁵I-thioredoxin is taken up by cells in culture and could have intracellular action. A series of alkyl 2-imidazolyl disulfides have been shown to be competitive inhibitors of human thioredoxin reductase with Ki values of 3.3 to 8.6 μM. The compds. inhibited Swiss 3T3 serum-dependent proliferation with IC₅₀ values of 2.0 to 4.0 μM, and one compound inhibited Swiss 3T3 thioredoxin-dependent proliferation with an IC₅₀ value of 60 nM.

IT Cell proliferation
 Neoplasm
 Redox reaction
 (thioredoxin/thioredoxin reductase redox system and control of cell growth)

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 17.29 | 17.50 |
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| CA SUBSCRIBER PRICE | -0.75 | -0.75 |

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